

2011 GREEN GOVERNMENTS AWARDS

Award Category	Green Information Technology
Agency	Illinois Department of Central Management Services-Bureau of Communication and Computer Services (BCCS)
Receiving	Valerie Bolinger
Acknowledge	Michael Porter, Karl Thorpe, Bill Seagle, Hooi Too, Todd Lutz, Bill Tumulty
Summary	<p>BCCS continues to work towards reducing paper consumption by managing the Electronic Pay Stub System (EPASS) which delivers paystubs electronically. BCCS implemented EPASS in order to eliminate the costs associated with mailing paper stubs to employees every two weeks. EPASS is a secure, easy to-use web-based tool which utilizes secure socket layer encryption and password management to ensure the protection of sensitive pay stub information. EPASS also maintains historical pay stub information for seven years from the date of implementation.</p> <p>The agencies using EPASS have: eliminated the hassle and expense of paper and printing supplies; reduced postage costs, reduced time and costs required to produce pay stubs once or twice for lost stubs; streamlined workflow and increased productivity by administrative personnel; and reduced storage costs by eliminating the paper copy.</p> <p>EPASS is currently being used by 25 agencies, which includes more than 34,000 employees or approximately two-thirds of our state employee workforce. BCCS will continue to roll out EPASS in FY12. At this time, there are 4 agencies in the process of transitioning to the EPASS system.</p>

Award Category	Transportation
Agency	Illinois Department of Central Management Services-Mail & Messenger
Receiving	John Gallagher
Acknowledge	Ken Sharkey, Mail Room Staff
Summary	<p>Central Management Services/Mail & Messenger has recently revamped the daily mail run from Springfield to Chicago transferring vehicles in Pontiac. The original run consisted of two (2) International box trucks that were replaced by two (2) E-250 Ford vans . This has resulted in a cost savings of \$20,000.00 per year. By eliminating the night run, we have reduced our headcount, reduced the number of vehicles in our fleet, and saved fuel. This will result in a cost savings in excess of \$200,000.00 per year.</p>

Award Category	Construction & Renovation
Agency	Illinois Department of Central Management Services-Bureau of Property Management (BOPM)
Receiving	Donald Barnes
Acknowledge	Jerry Adams, Frank Marchlewski, Jennifer Haley Perrin, Al Rios, David Baker, Gerald Downing, Andrea Reiff, Lisa Mattingly, Mohammed Haq
Summary	<p>Utilizing in-house resources, the Department of Central Management Services has completed a multi-year project to upgrade specialized lighting fixtures installed along the balcony rings at the James R. Thompson Center. Implementing this upgrade on floors 2 through 16, this measure is computed to have reduced lighting power requirement for these fixtures by up to 719,200 kilowatt-hours/year, a 73% reduction from the original output for these lights. This corresponds to a savings of over \$73,000/year in electricity costs associated with these lights alone. Review of our overall trend for the Thompson Center establishes that electricity usage in Calendar Year 2010 declined by over 2 million kilowatt-hours when compared with Calendar Year 2007.</p> <p>Ongoing collaborative efforts with the Capital Development Board will focus on future lighting upgrades at the JRTC, which will continue the downward trend of lighting power demand at this major energy-intensive building. Some of the measures included in the CDB scope include the use of LED Exit Signage, which is already being installed throughout the building, motion-sensor lighting controls for limited-use areas (e.g. restrooms) and an upgrade to the automated lighting control system to improve our capability to limit the use of lighting during non-occupied hours.</p>

Award Category	Facilities Operations & Management
Agency	Department of Central Management Services-Bureau of Property Management (BOPM)
Receiving	Donald Barnes
Acknowledge	Lisa Mattingly, Mohammed Haq, Jerry Adams, Cedric Collins, Bill Byerleyx
	<p>This year CMS/BOPM advanced its ongoing efforts to improve the Michael A. Bilandic Building efficiency standards in concert with the Energy Star Label certification process. This Energy Star label was originally earned after an inter-agency team spearheaded through the Energy Efficiency Committee conducted an exercise to use the USEPA's benchmarking tool, Portfolio Manager, to rate the building's performance against the vast pool of similar facilities tracked by the Energy Star Program. The output established that the Bilandic Building, a 445,000 square foot office building in downtown Chicago, had a lower energy intensity (rated in British Thermal Units/square foot) than 80% of other participating facilities across the nation. The recognition included a presentation ceremony held on April 19th at which the certificate was presented to Governor Quinn and Lt. Governor Simon.</p> <p>The building's post-project performance is startling; the Energy Usage Index (EUI) and the site-based greenhouse gas emissions both ranked at 32% below the national average, not counting the fact that 15% of the power supplied to this building in 2010 was generated through accredited "green" power. This is a significant transformation for a building constructed in the 1920s. Energy cost per square foot also ranked over 33% below the national average.</p> <p>During 2011, these trends have continued. The Portfolio Manager score of 80 generated by refreshed data in September 2011 ranks the MABB in the top 20% of Energy Star-tracked buildings. The site-based greenhouse gas emissions are statistically equivalent to last year's levels, on top of which 25% of the electricity supplied to the building comes from accredited "green" power.</p>

Award Category	Education & Outreach
Agency	Illinois Department of Transportation
Receiving	Secretary of Transportation Ann Schneider
Acknowledge	Steve Massey, Don Kupferschmid, Jim Reinhart, Erik Hall
Summary	<p>The Illinois Department of Transportation Sustainability Office's support of the International Walk to School Day effort led to an 8.6 percent increase in school participation statewide. The 2011 school year was the first year the IDOT Sustainability Office made a strong effort to notify the public and schools statewide about Walk to School day through media and internet outreach. The initiative motivated 47 percent of students in participating schools to walk or bike to school on October 5, 2011. Those walkers and bikers traveled 42,830 miles roundtrip, based on schools' estimates. The environmental benefit was profound. The miles students walked/biked Oct. 5 saved 2,240 gallons of gasoline and reduced carbon emission by 44,250 pounds of CO₂, based on Environmental Protection Agency vehicle emission and fuel consumption figures.</p> <p>In further support of public education & outreach, IDOT has teamed with Living Lands and Waters to distribute 10,000 oak trees to schools throughout the state in commemoration of Earth Day 2011. The schools can use them on the school property or give them to students to plant at their homes. This initiative serves as an environmental learning tool for students and also is an environmentally enhancing initiative.</p>

Award Category	Energy Efficiency & Conservation (2 Awards)
Agency	Illinois Historic Preservation Agency & Capital Development Board
Receiving	Catherine Shannon (IHPA) & Jim Underwood (CDB)
Acknowledge	Gary Kitchen, Dave Leonatti, Mark Gilbert, Henson Robinson Company, Anderson Electric, Kickapoo Drilling, O'Shea Builders, Tri-County Irrigation, Candy Knox, Jane Rhetta
Summary	<p>In October 2010, IHPA staged an HVAC upgrade and geo-exchange project at the Lincoln Tomb State Historic Site. The Tomb contained a collection of energy wasteful, outmoded and failing heating and ventilating systems that had surpassed operational expectancy. Completed in May 2011, the geo-exchange system, with 24 new 225-foot deep bores, takes advantage of the constant ground temperatures to provide extremely efficient heating and cooling. The system produced a cooling seasonal energy efficiency rating (SEER) in excess of 17, and a heating coefficient of performance (CoP) of 3.9. Additionally, the installation of improved ventilation systems, new temperature control units and energy recovery units have enhanced the interior environment and simplified system monitoring and management. The ventilation system features energy recovery technology to capture waste heat from the exhaust air stream to preheat the ventilation air, and is controlled by carbon dioxide sensors to provide ventilation air only as required by occupancy.</p> <p>The water usage illustrates the most dramatic reduction, with an average 50% reduction in monthly costs and dramatic cuts in administrative time. The re-designed ventilation system has eliminated the mildew odors as well as the potential threat of spore growths on historic materials and finishes. The electric power reductions to date have been more modest, with a savings of 5% attributed to the extremely above average sustained summer heat.</p> <p>The Lincoln Tomb HVAC and geo-exchange project was funded through and managed by the Capital Development Board. In addition, the project received a \$25,000 grant from the Illinois Clean Energy Community Foundation to assist in the conversion from traditional to sustainable environmental systems.</p>

Award Category	Waste Reduction & Recycling
Agency	Illinois Department of Corrections/Illinois Correctional Industries at Menard
Receiving	Chris Grissom
Acknowledge	Community and agency partners
Summary	<p>This award celebrates over 15 years of recycling efforts at Menard that saw an evolution from using a used baler for waste compacting to the installation of a fully operational Recycling Center. New infrastructure over the years increased the speed and accuracy of recycling processes while transitioning operations to a single stream process.</p> <p>The transition progressed through faithful adherence to green principles with recycling ground glass and re-purposed dumpsters used in the expansion of the Recycling Center. The sorting platform is the deck of the box trailer that was destroyed in a tornado that hit the DuQuoin Fairgrounds' during this summer's National Airstream Rally. A recycled transformer saved approximately \$15,000.00 towards the cost of the building.</p> <p>The success of Menard's recycling expansion is largely credited to strategic community collaboration. The Randolph County Board of Commissioners granted financial resources to help fund both the building expansion as well as the purchase of equipment. The City of Chester dispatched a backhoe and operator for site preparation.</p> <p>ICI programs receive no General Revenue Appropriation. In ICI's FY2011 report to the General Assembly it showed that ICI's Menard programs generated \$1,085,133.410 in revenue on \$4,053,266.05 in sales.</p> <p>In FY 11 the sale of recycled commodities generated nearly \$100,000.00 in revenue for ICI.</p>

Award Category	Energy Efficiency & Conservation
Agency	Illinois State University – Office of Energy Management
Receiving	Missy Nergard
Acknowledge	Chris Homan, Ron Kelley
Summary	<p>The Illinois State University Office of Energy Management (OEM) in 2002 has reduced the University's energy consumption (BTU/SqFt) by 20% and water consumption by 28% (despite an additional 16% increase in square footage on campus) through the practice of 'internal performance contracting'. OEM, utilizing existing staff as well as grant funded programs, accomplished a significant portion of the necessary retrofits to achieve this goal.</p> <p>The Energy Conservation Measures in this project include lighting and mechanical work, as well as some behavioral change initiatives and educational awareness programming that incorporates faculty and student research projects.</p> <p>This success of this programming is a signal of the ongoing success of ISU's 2002 comprehensive energy management plan.</p>

Award Category	Transportation & Purchasing of Goods & Services (2 Awards)
Agency	Illinois Department of Revenue
Receiving	Joe Romang
Acknowledge	Mike Klemens, Macy Cousineau, Cory Staley, John Nelson, Jay Neposchlan, Doug Strohm, Don Stephens, and Cathy Hubbs
Summary	<p>In the area of Transportation, the Department of Revenue's Sustainability Committee and the Revenue Employee Club devised and sponsored a department-wide (measurable) carbon reduction initiative entitled the "10-ton challenge", which ran from July 2010 through September 2010. During this timeframe, employees were encouraged to walk, bike, bus or carpool to work. The goal was to reduce carbon dioxide emissions, created by commuting to work, by 10 tons</p> <p>When the challenge concluded, more than 100 employees had participated in this sustainability initiative, for a total of 1841 commuting trips, and a sum of 69,092 miles. By applying accepted conversion formulas, Revenue calculated that the CO2 reduction from vehicle emissions exceeded 30 tons during the three-month challenge, triple the goal!</p> <p>As a follow-up to the 10-ton challenge, the department planned and implemented a summer 2011 program focused on encouraging employees to exercise. The "REV Up Your Health" program, which ran from June through September 2011, encouraged employees to "Get Up, Get Active and Get Fit." Employees were encouraged to increase (or start) their exercise activities, including bicycling and/or walking to work. Since this initiative concluded in fiscal year 2012, we will report next year on its success.</p> <hr/> <p>The Illinois Department of Revenue receives an award for Purchasing of Goods and Service for purchasing and installing a state of the art document destruction/grinder to address confidentiality requirements of the IRS for the protection of Federal (and State) taxpayer information (FTI).</p> <p>The new machine/process enables Revenue to quickly shred/grind a high volume of paper documents, magazines, newspapers and cardboard and requires no manual loading of materials into its hopper. Instead materials are loaded directly from 90 gallon secure collection containers with an automated tilting mechanism. With the new shredder/grinder Revenue recycled a total of 640 tons of paper in FY-11. This represents a 203 ton (46%) increase from its output in FY-10. Revenue has sent 224 tons of mixed paper for recycling in the first 4 months of FY-12.</p> <p>Additionally, the Department made another Green technology purchase in FY-11, and replaced the chemical-dependent plate-making machine in the print shop with a chemistry-free system. This new system allows the Department to make printing plates without the need for chemical developers and fixers. The new machine also enabled the department to eliminate two other machines previously involved in the plate-making process reducing its energy needs.</p>